

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1316442

Luminaire Tested: LDSQA3D09R359740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

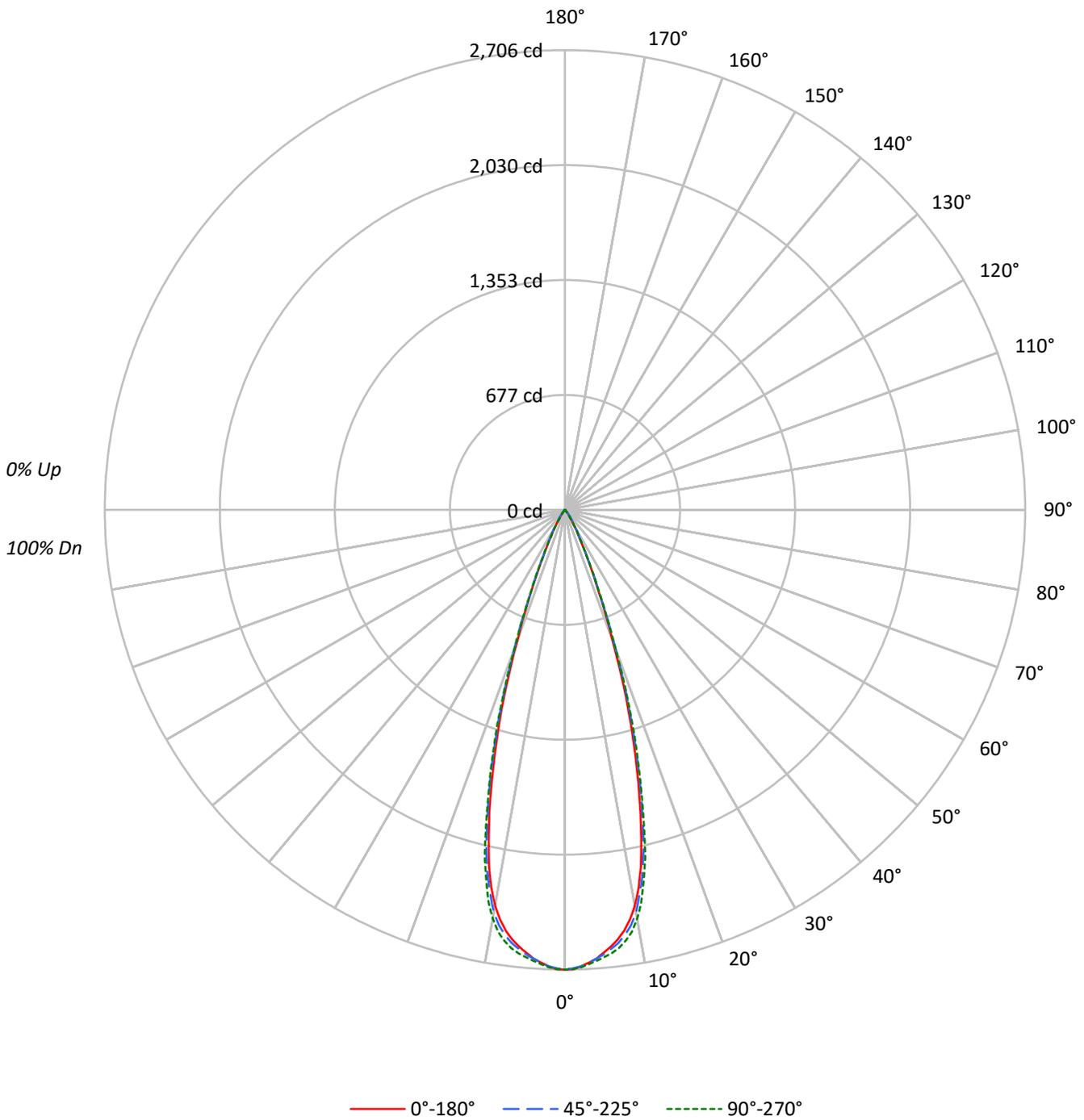
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 908.9 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	466052	466052	466052
5°	452255	453846	456923
10°	413695	420900	427353
15°	296955	307831	310987
20°	149370	158075	158478
25°	56609	58357	58642
30°	22989	26370	22571
35°	8347	12678	8052
40°	3507	5418	3350
45°	852	2241	852
50°	563	938	563
55°	631	631	631
60°	723	723	723
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.7	26.9
10°-20°	455.8	50.1
20°-30°	163.9	18.0
30°-40°	34.4	3.8
40°-50°	5.9	0.7
50°-60°	1.9	0.2
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	864.4	95.1
0°-40°	898.8	98.9
0°-60°	906.7	99.8
0°-90°	908.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2706	2706	2706	2706	2706	
5°	2616	2621	2625	2643	2643	242
15°	1666	1695	1726	1745	1744	443
25°	298	302	307	310	309	158
35°	40	47	60	46	38	30
45°	4	6	9	6	4	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2706.1	2706.1	2706.1	2706.1	2706.1
1°	2704.7	2704.7	2699.0	2705.4	2703.3
2°	2689.8	2691.2	2687.7	2695.5	2694.8
3°	2669.2	2672.8	2669.9	2681.3	2677.7
4°	2647.2	2650.1	2648.6	2662.8	2661.4
5°	2616.0	2621.0	2625.2	2643.0	2643.0
6°	2584.1	2589.1	2598.3	2617.4	2623.8
7°	2547.2	2553.6	2568.5	2594.0	2598.3
8°	2500.4	2507.5	2528.1	2555.7	2561.4
9°	2442.2	2452.9	2476.3	2509.6	2513.2
10°	2365.6	2374.1	2406.8	2434.4	2443.7
11°	2266.3	2273.4	2302.5	2347.2	2352.9
12°	2145.7	2154.2	2191.8	2220.9	2226.6
13°	1993.2	2009.5	2054.9	2083.3	2098.9
14°	1836.5	1858.5	1891.1	1931.5	1921.6
15°	1665.5	1694.6	1726.5	1745.0	1744.2
17.5°	1246.3	1263.3	1291.7	1302.3	1316.5
20°	815.0	837.0	862.5	872.5	864.7
22.5°	505.8	511.4	519.2	523.5	522.1
25°	297.9	302.2	307.1	310.0	308.6
27.5°	179.5	189.4	196.5	188.0	183.0
30°	115.6	119.9	132.6	121.3	113.5
32.5°	68.8	78.7	89.4	75.9	66.0
35°	39.7	46.8	60.3	46.1	38.3
37.5°	25.5	29.1	39.0	28.4	24.8
40°	15.6	19.9	24.1	18.4	14.9
42.5°	7.8	12.1	14.2	10.6	7.8
45°	3.5	5.7	9.2	5.7	3.5
47.5°	2.1	2.8	5.7	2.8	2.1
50°	2.1	2.1	3.5	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)